

030-00823

VOID SHEET

TO: License Fee Management Branch

FROM:

R III

SUBJECT: VOIDED APPLICATION

Control Number:

96163

Applicant:

Oakland University

Date Voided:

1-13-94

Reason for Void:

Request for information

only - no amendment required.

Robert H. Gattner Jr. 1-13-94
Signature Date

Attachment:
Official Record Copy of
Voided Action

FOR LFMB USE ONLY

Final Review of VOID Completed:

- ☐ Refund Authorized and processed
☐ No Refund Due
☒ Fee Exempt or Fee Not Required

Comments:

9402170232 940113
PDR ADDCK 03000823
C PDR

Log completed

Processed by:

SAC
2/8/94

ML
30
DH

140262

(FOR LFMS USE)
INFORMATION FROM LTS

BETWEEN:

LICENSE FEE MANAGEMENT BRANCH, ARM
AND
REGIONAL LICENSING SECTIONS

PROGRAM CODE: 03620
STATUS CODE: 0
FEE CATEGORY: EX 3M
EXP. DATE: 19980430
FEE COMMENTS: 170.11(A)(4)
DECOM FIN ASSUR REQD: N

LICENSE FEE TRANSMITTAL

A. REGION

1. APPLICATION ATTACHED
APPLICANT/LICENSEE: OAKLAND UNIVERSITY
RECEIVED DATE: 931206
DOCKET NO: 3000823
CONTROL NO.: 396163
LICENSE NO.: 21-10725-03
ACTION TYPE: AMENDMENT

2. FEE ATTACHED
AMOUNT:
CHECK NO.: ~~---~~

3. COMMENTS

*add info to
CN 395415*

SIGNED
DATE

P. Dittus
12-20-93

B. LICENSE FEE MANAGEMENT BRANCH (CHECK ONE) ENTERED 11/11

1. FEE CATEGORY AND AMOUNT: *EX 3M* **FEE EXEMPTED**
ADD'L INFO TO CN 395415

2. CORRECT FEE PAID. APPLICATION MAY BE PROCESSED FOR:
AMENDMENT ☒
RENEWAL ☐
LICENSE ☐

3. OTHER

SIGNED
DATE

SC
12/30/93

RECEIVED

JAN 11 1994

REGION III



Risk Management and Contracting
Office of Environmental Health and Safety

Rochester, Michigan 48309-4401
(313) 370-4196

December 1, 1993

Mr. Robert G. Gattone, Jr.
Nuclear Materials Licensing Section
United States Nuclear Regulatory Commission
Region III
799 Roosevelt Road
Glen Ellyn, IL 60137-5927

RECEIVED BY LFDCB	
Date	Dec. 29, 1993
Log	Dec 13 III
By	SC
Date Completed	12/30/93

RE: NRC Material License No. 21-10725-03

Dear Mr. Gattone:

I am writing to submit a proposal with regard to your September 23, 1993 memo, which withholds authorization for Dr. William Bradford to become Oakland University's Radiation Safety Officer until such time that he receives additional training.

In accordance with your memo, we have contacted Mr. Mark Driscoll, Radiation Safety Officer at the University of Michigan (Materials License #21-00215-04) in order to arrange for Dr. Bradford to spend time, and gain hands-on experience, at his facility. I have provided Mr. Driscoll with the five areas in which you require Dr. Bradford to obtain experience (listed below), and inquired as to the precise experience he could gain in each of these areas by working at U of M's Radiation Safety Office. Mr. Driscoll's recommendations are itemized below:

- **Gamma emitters.** Dr. Bradford would observe and participate in research with a wide variety of gamma emitters, including ^{137}Cs , ^{131}I (>1 Ci of liquid), ^{60}Co , and in particular an iodinator which utilizes 500 to 1000 mCi of ^{131}I .
- **Irradiators.** Dr. Bradford would observe and gain experience with two irradiators at U of M: 1) A 25,000 Ci ^{60}Co well-water irradiator; and 2) an 800 Ci ^{60}Co teletherapy irradiator which was converted from use with people to inanimate objects. There are also several ^{137}Cs irradiators which are available for his review. Among other protocols, the U of M staff would introduce Dr. Bradford to the safety interlock systems, and allow him to examine the checklists which were recently developed in order to comply with the new regulations pertaining to irradiators (10 CFR Part 36).
- **Bioassays.** In addition to urine bioassays, U of M performs approximately 20 thyroid bioassays per month (for ^{125}I and ^{131}I). The samples are analyzed on the premises. Dr. Bradford would be permitted to operate the analytical system, examine the recordkeeping requirements, and be advised as to the philosophies behind bioassay.

FEENEXEMPTED

170.11(a)(4)
ADD'L INFO TO CN 395415

CONTROL NO. 396163

DEC 06 1993

REGION III

DEC 06 1993

RECEIVED

Robert G. Gattone
U.S. NRC

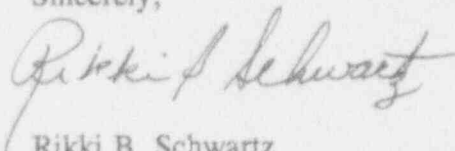
Material License No. 21-10725-03
December 1, 1993

- **Animal studies.** U of M generates approximately 200 radioactive dog carcasses each month and 5,000 rat carcasses per year (in addition to several hundred mice and rabbits). Isotopes include ^3H , ^{14}C , ^{141}Ce , ^{22}Na , ^{95}Nb and ^{103}Ru . Dr. Bradford would be able to examine the radioactive animal research process from cradle to grave; i.e., from researcher application for use, to safety precautions during the research, to waste incineration in the university's pathological incinerator (on campus).
- **Interim Storage of Radioactive Waste.** U of M owns a \$1.3 million rad waste storage facility, which contains a new state-of-the-art waste compactor, bio-crusher etc. Dr. Bradford would have the opportunity to observe laboratory protocols with regard to proper waste accumulation, and then accompany/assist the staff during collection, survey, transportation, handling and processing at the waste storage facility. Waste includes solid, liquid, liquid scintillation, pathological (i.e., carcasses), sharps, lead pigs and mixed.

Both Mr. Driscoll and the Oakland University Administration have requested they be provided some kind of time-frame for the experience you require. Accordingly, I would like to propose that Dr. Bradford obtain eight (8) hours of experience in each of the five (5) areas listed above, totaling 40 hours. If this is unsatisfactory, I request that you respond with the number of hours you would require in each of the areas identified, so that we may begin scheduling accordingly.

Your assistance in this matter is appreciated. If you have further questions, you may reach me at (810) 370-4196, Dr. Donald McCrimmon at (810) 370-3222, Dr. Craig Taylor, current RSO, at (810) 370-2333, or Dr. Bradford at (810) 370-2330. I look forward to your response.

Sincerely,



Rikki B. Schwartz
Director, Environmental Health and Safety

RBS/

cc: William Bradford, OU
Mark Driscoll, U of M
Catherine Lark, OU
Donald McCrimmon, OU
Craig Taylor, OU

CONTROL NO. 396163